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NOTICE OF ALLOWANCE AND FEE(S) DUE

23117

7590

02/03/2011

NIXON & VANDERHYE, PC 901 NORTH GLEBE ROAD, 11TH FLOOR ARLINGTON, VA 22203 EXAMINER

WOODARD, JOYE L

ART UNIT PAPER NUMBER

1773

DATE MAILED: 02/03/2011

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO.

10/594,998 09/29/2006 Tatsuya Hidano 427-114 6602

TITLE OF INVENTION: PRE-PURIFICATION UNIT OF CRYOGENIC AIR SEPARATION UNIT, HYDROCARBON ADSORBENT, AND METHOD OF PRE-TREATING FEED AIR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/03/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

maintenance fee notificat	tions.	•				correspondence address as	
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
23117	7590 02/03/	/2011	Mark		ate of Mailing or Trans	mission	
	NDERHYE, PC ÆBE ROAD, 11TH VA 22203	FLOOR	I he State addr trans	reby certify that this F es Postal Service with ressed to the Mail Sto smitted to the USPTO	ee(s) Transmittal is being sufficient postage for fir- op ISSUE FEE address (571) 273-2885, on the d	g deposited with the United st class mail in an envelope above, or being facsimile ate indicated below.	
						(Depositor's name)	
						(Signature)	
						(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	AT	TORNEY DOCKET NO.	CONFIRMATION NO.	
10/594,998	09/29/2006	•	Tatsuya Hidano	•	427-114	6602	
TITLE OF INVENTION OF PRE-TREATING FE		UNIT OF CRYOGENI	C AIR SEPARATION UN	NIT, HYDROCARBO	N ADSORBENT, AND I	METHOD	
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FE	E TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/03/2011	
EXAM	INER	ART UNIT	CLASS-SUBCLASS]			
WOODARI	D, JOYE L	1773	095-120000	•			
 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 			(1) the names of up to or agents OR, alternativ (2) the name of a single registered attorney or a 2 registered patent atto	or printing on the patent front page, list the names of up to 3 registered patent attorneys gents OR, alternatively, the name of a single firm (having as a member a stered attorney or agent) and the names of up to gistered patent attorneys or agents. If no name is d, no name will be printed.			
PLEASE NOTE: Unl recordation as set forth (A) NAME OF ASSIC	ess an assignee is identi h in 37 CFR 3.11. Comp GNEE	ified below, no assignee bletion of this form is NO	T a substitute for filing an (B) RESIDENCE: (CITY	atent. If an assignee i assignment. and STATE OR COU	NTRY)	ocument has been filed for	
Please check the appropri	iate assignee category or	categories (will not be pr	rinted on the patent):	Individual 🖵 Corpo	ration or other private gro	oup entity Government	
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
**	s SMALL ENTITY statu	is. See 37 CFR 1.27.	b. Applicant is no long				
NOTE: The Issue Fee and interest as shown by the r	d Publication Fee (if requeecords of the United Sta	uired) will not be accepte tes Patent and Trademark	d from anyone other than the Office.	he applicant; a register	ed attorney or agent; or th	ne assignee or other party in	
Authorized Signature			Date				
Typed or printed name							
This collection of informan application. Confident submitting the completed this form and/or suggestiths and the submitting the completed this form and/or suggestith and the submitted that the submitted in the submitted submitted that the submitted submitted in the submitted	tiality is governed by 35 I application form to the ons for reducing this but irginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to th ONOT SEND FEES OR	on is required to obtain or r 1.14. This collection is est depending upon the indiv e Chief Information Office COMPLETED FORMS TO	etain a benefit by the p imated to take 12 mint ridual case. Any commer, U.S. Patent and Tra D THIS ADDRESS. SI	ublic which is to file (an ttes to complete, includir ents on the amount of ti- demark Office, U.S. Dep END TO: Commissioner	d by the USPTO to process) in gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,	

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

OMB 0651-0033

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/594,998	09/29/2006	Tatsuya Hidano	427-114	6602
23117 75	590 02/03/2011		EXAMINER	
NIXON & VAN	DERHYE, PC	WOODARD, JOYE L		
901 NORTH GLEBE ROAD, 11TH FLOOR ARLINGTON, VA 22203			ART UNIT	PAPER NUMBER
			1773	
			DATE MAILED: 02/03/2011	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 627 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 627 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	T		
	Application No.	Applicant(s)	
Alakia a af Allassa kilika	10/594,998	HIDANO ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Joye L. Woodard	1773	
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comr IGHTS. This application is and MPEP 1308.	in this application. If not included nunication will be mailed in due cours	
1. X This communication is responsive to <u>THE AMENDMENT I</u>	<u>-ILED 12/29/2010</u> .		
2. X The allowed claim(s) is/are 2.12.			
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do 	been received. been received in Applicat	ion No	om the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the requiren	nents
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 			E OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) \square including changes required by the Notice of Draftspers	on's Patent Drawing Revie	ew (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment	or in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t) of
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 			he
Attachment(s)	- -	Informaci Dataut Accellent	
1. Notice of References Cited (PTO-892)		nformal Patent Application	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	Paper No	Summary (PTO-413), o./Mail Date	
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 	7. 🔲 Examiner	s Amendment/Comment	
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🗌 Examiner	s Statement of Reasons for Allowanc	е
o. Diological material	9. 🔲 Other	<u>_</u> .	
	/Jill Warden/		
	Supervisory P	atent Examiner, Art Unit 1773	